

What is claimed is:

1. A compound for enhancing the physical properties of a material having pliantcy, durability, and imperviousness, said compound comprising:

from about 55 to about 75% by weight a resin;

from about 20 to about 30% by weight a polymer; and

from about 1 to about 15% by weight an emulsifier;

wherein said compound is mixed with an asphalt emulsion;

and

wherein said resin and said polymer change at least one of said pliantcy, durability, and imperviousness of the material.

2. The compound of claim 1, wherein said resin is a vinyl acrylic polymer.

3. The compound of claim 1, wherein said polymer is a styrene-butadiene copolymer.

4. The compound of claim 1, wherein said emulsifier is anionic.

5. The compound of claim 1, wherein said asphalt emulsion is cationic.

6. The compound of claim 1, wherein said asphalt emulsion is anionic.

7. The compound of claim 1, wherein said asphalt emulsion comprises about 25 % by weight of the conditioner.

8. A compound for enhancing the physical properties of a material having pliantcy, durability, and imperviousness, said compound comprising:

from about 55 to about 75% by weight a resin;

from about 20 to about 30% by weight a polymer; and

from about 1 to about 15% by weight an emulsifier;

wherein said compound is mixed with an asphalt emulsion and a wetting solution; and

wherein said resin and said polymer change at least one of said pliantcy, durability, and imperviousness of the material.

9. The compound of claim 8, wherein said resin is a vinyl acrylic polymer.

10. The compound of claim 8, wherein said polymer is a styrene-butadiene copolymer.

11. The compound of claim 8, wherein said emulsifier is anionic.
12. The compound of claim 8, wherein said emulsifier is cationic.
13. The compound of claim 8, wherein said asphalt emulsion comprises about 25 % by weight of the conditioner.
14. The compound of claim 8, wherein said wetting solution is water.
15. The compound of claim 8, wherein said wetting solution comprises about 72 % by weight of the conditioner.
16. A method of enhancing and conditioning the physical properties of a material comprising:

applying to said material a compound comprising a resin, a polymer, and an emulsifier.
17. The method of claim 16, wherein the resin is a vinyl acrylic polymer.
18. The method of claim 16, wherein the polymer is a styrene-butadiene copolymer.
19. The method of claim 16, wherein the emulsifier is an anionic emulsifier.

20. The method of claim 16, wherein the emulsion is a cationic asphalt.
21. The method of claim 16, wherein the wetting agent is water.
22. The method of claim 16 wherein the applying of said compound is accomplished by a spray means.
23. The method of claim 22 wherein said spray means is gravity fed.
24. The method of claim 22 wherein said spray means is pump fed.
25. The method of claim 16 wherein the applying of said compound is applied by mechanical mixing.
26. The method of claim 16 wherein the applying of said compound is applied neat.
27. The method of claim 16 wherein the applying of said compound is diluted.
28. The method of claim 16 wherein said compound is applied to soil at a rate of about 0.21 to about 0.42 gallons per cubic yard.

29. The method of claim 16 wherein said emulsion comprises about 25 % by weight of the conditioner.

30. The method of claim 16, wherein said wetting agent comprises about 72% by weight of the conditioner.

31. The method of claim 16 wherein said emulsion comprises cationic asphalt.

32. The method of claim 16 wherein said compound is applied to said material at a depth of about 3 inches.

33. The method of claim 16 wherein said compound is applied to provide a prime coat, tack coat, seal coat, fog seal, water resistance and sediment control.

34. The compound of claim 16, wherein said compound is applied to provide a suitable surface accessible using a wheelchair.

35. A compound for enhancing the physical properties of a material having pliantcy, durability, and imperviousness, said compound comprising:

an asphalt emulsion;

a resin, polymer and emulsifier mixed with the asphalt emulsion by mechanical agitation.